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RAW SEQUENCE LISTING DATE: 10/01/2001
PATENT APPLICATION: US/09/938,803 TIME: 13:46:56

Input Set : N:\Crf3\RULE60\09938803.txt
Output Set: N:\CRF3\10012001\I938803.raw

4 <110> APPLICANT: Yue, Henry
5 Tang, Y. Tom
6 Lal, Preeti
7 Reddy, Roopa
8 Baughn, Mariah R.
9 Yang, Junming
10 Azimzai, Yalda
12 <120> TITLE OF INVENTION: FULL-LENGTH EXPRESSED GENETIC MARKERS
14 <130> FILE REFERENCE: PF-0695 US
16 <140> CURRENT APPLICATION NUMBER: 09/938,803
C--> 17 <141> CURRENT FILING DATE: 2000-08-24
19 <150> PRIOR APPLICATION NUMBER: 09/311,894
20 <151> PRIOR FILING DATE: 1999-05-14
22 <160> NUMBER OF SEQ ID NOS: 40
24 <170> SOFTWARE: PERL Program
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 349
29 <212> TYPE: PRT
30 <213> ORGANISM: Homo sapiens
32 <220> FEATURE:
33 <221> NAME/KEY: misc_feature
34 <223> OTHER INFORMATION: Incyte Clone 1841446
36 <400> SEQUENCE: 1
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38 1 5 10 15
39 Leu Lys Arg Lys Ala Ala Ala Glu Glu Leu Gln Glu Ala Ala Gly
40 20 25 30
41 Ala Gly Asp Gly Ala Thr Glu Asn Gly Val Gln Pro Pro Lys Ala
42 35 40 45
43 Ala Ala Phe Pro Pro Gly Phe Ser Ile Ser Glu Ile Lys Asn Lys
44 50 55 60
45 Gln Arg Arg His Leu Met Phe Thr Arg Trp Lys Gln Gln Gln Arg
46 65 70 75
47 Lys Glu Lys Leu Ala Ala Lys Lys Lys Leu Lys Lys Glu Arg Glu
48 80 85 90
49 Ala Leu Gly Asp Lys Ala Pro Pro Lys Pro Val Pro Lys Thr Ile
50 95 100 105
51 Asp Asn Gln Arg Val Tyr Asp Glu Thr Thr Val Asp Pro Asn Asp
52 110 115 120
53 Glu Glu Val Ala Tyr Asp Glu Ala Thr Asp Glu Phe Ala Ser Tyr
54 125 130 135
55 Phe Asn Lys Gln Thr Ser Pro Lys Ile Leu Ile Thr Thr Ser Asp
56 140 145 150
57 Arg Pro His Gly Arg Thr Val Arg Leu Cys Glu Gln Leu Ser Thr
58 155 160 165
59 Val Ile Pro Asn Ser His Val Tyr Tyr Arg Arg Gly Leu Ala Leu
60 170 175 180

ENTERED

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61 Lys Lys Ile Ile Pro Gln Cys Ile Ala Arg Asp Phe Thr Asp Leu
 62 185 190 195
 63 Ile Val Ile Asn Glu Asp Arg Lys Thr Pro Asn Gly Leu Ile Leu
 64 200 205 210
 65 Ser His Leu Pro Asn Gly Pro Thr Ala His Phe Lys Met Ser Ser
 66 215 220 225
 67 Val Arg Leu Arg Lys Glu Ile Lys Arg Arg Gly Lys Asp Pro Thr
 68 230 235 240
 69 Glu His Ile Pro Glu Ile Ile Leu Asn Asn Phe Thr Thr Arg Leu
 70 245 250 255
 71 Gly His Ser Ile Gly Arg Met Phe Ala Ser Leu Phe Pro His Asn
 72 260 265 270
 73 Pro Gln Phe Ile Gly Arg Gln Val Ala Thr Phe His Asn Gln Arg
 74 275 280 285
 75 Asp Tyr Ile Phe Phe Arg Phe His Arg Tyr Ile Phe Arg Ser Glu
 76 290 295 300
 77 Lys Lys Val Gly Ile Gln Glu Leu Gly Pro Arg Phe Thr Leu Lys
 78 305 310 315
 79 Leu Arg Ser Leu Gln Lys Gly Thr Phe Asp Ser Lys Tyr Gly Glu
 80 320 325 330
 81 Tyr Glu Trp Val His Lys Pro Arg Glu Met Asp Thr Ser Arg Arg
 82 335 340 345
 83 Lys Phe His Leu
 88 <210> SEQ ID NO: 2
 89 <211> LENGTH: 169
 90 <212> TYPE: PRT
 91 <213> ORGANISM: Homo sapiens
 93 <220> FEATURE:
 94 <221> NAME/KEY: misc_feature
 95 <223> OTHER INFORMATION: Incyte Clone 1850310
 97 <400> SEQUENCE: 2
 98 Met Gln Cys Leu Leu Pro Tyr Gln Ser Lys Glu Pro Ser Cys Leu
 99 1 5 10 15
 100 Pro Pro Leu Pro Leu Asn Leu Pro Leu Pro Pro Cys Leu Cys Pro
 101 20 25 30
 102 Leu Leu Gln Leu Asn Ala Ala Met Thr Arg Lys Glu Lys Thr Lys
 103 35 40 45
 104 Glu Gly Gln Arg Ala Ala Gln Phe Ser Ala Gly Ala Asp Ala Gly
 105 50 55 60
 106 Ser Gly Gly Leu Ser Arg Gln Lys Asp Thr Lys Arg Pro Met
 107 65 70 75
 108 Leu Leu Val Ile His Asp Val Val Leu Glu Leu Leu Thr Ser Ser
 109 80 85 90
 110 Asp Cys His Ala Asn Pro Arg Lys Tyr Pro Thr Cys Gln Lys Ser
 111 95 100 105
 112 Glu Val Leu Gly Val Ser Ile Tyr Val Ser Ile Cys Pro Ser Thr
 113 110 115 120
 114 Arg Pro Arg Asp Lys Asn Lys Thr Lys Lys Arg Cys Gln Val Leu
 115 125 130 135

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116 Glu Ala Val Leu Val Ser Lys Pro Ser Gly Ser Cys His Gln Gly
117           140          145          150
118 Ser Phe Glu Ile Val Pro His Val Lys Gly Asn Leu Ala Phe Thr
119           155          160          165
120 Ser Ser Asn His
126 <210> SEQ ID NO: 3
127 <211> LENGTH: 316
128 <212> TYPE: PRT
129 <213> ORGANISM: Homo sapiens
131 <220> FEATURE:
132 <221> NAME/KEY: misc_feature
133 <223> OTHER INFORMATION: Incyte Clone 1887020
135 <400> SEQUENCE: 3
136 Met Glu Ser Asn Val Lys Val Gln Arg Gln Glu Gly Ala Lys Val
137   1         5          10          15
138 Ser Leu Met Ser Pro Asp Gln Leu Arg Asn Lys Phe Pro Trp Ile
139           20          25          30
140 Asn Thr Glu Gly Val Ala Leu Ala Ser Tyr Gly Met Glu Asp Glu
141           35          40          45
142 Gly Trp Phe Asp Pro Trp Cys Leu Leu Gln Gly Leu Arg Arg Lys
143           50          55          60
144 Val Gln Ser Leu Gly Val Leu Phe Cys Gln Gly Glu Val Thr Arg
145           65          70          75
146 Phe Val Ser Ser Gln Arg Met Leu Thr Thr Asp Asp Lys Ala
147           80          85          90
148 Val Val Leu Lys Arg Ile His Glu Val His Val Lys Met Asp Arg
149           95          100         105
150 Ser Leu Glu Tyr Gln Pro Val Glu Cys Ala Ile Val Ile Asn Ala
151           110         115         120
152 Ala Gly Ala Trp Ser Ala Gln Ile Ala Ala Leu Ala Gly Val Gly
153           125         130         135
154 Glu Gly Pro Pro Gly Thr Leu Gln Gly Thr Lys Leu Pro Val Glu
155           140         145         150
156 Pro Arg Lys Arg Tyr Val Tyr Val Trp His Cys Pro Gln Gly Pro
157           155         160         165
158 Gly Leu Glu Thr Pro Leu Val Ala Asp Thr Ser Gly Ala Tyr Phe
159           170         175         180
160 Arg Arg Glu Gly Leu Gly Ser Asn Tyr Leu Gly Gly Arg Ser Pro
161           185         190         195
162 Thr Glu Gln Glu Glu Pro Asp Pro Ala Asn Leu Glu Val Asp His
163           200         205         210
164 Asp Phe Phe Gln Asp Lys Val Trp Pro His Leu Ala Leu Arg Val
165           215         220         225
166 Pro Ala Phe Glu Thr Leu Lys Val Gln Ser Ala Trp Ala Gly Tyr
167           230         235         240
168 Tyr Asp Tyr Asn Thr Phe Asp Gln Asn Gly Val Val Gly Pro His
169           245         250         255
170 Pro Leu Val Val Asn Met Tyr Phe Ala Thr Gly Phe Ser Gly His
171           260         265         270

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172 Gly Leu Gln Gln Ala Pro Gly Ile Gly Arg Ala Val Ala Glu Met
 173 275 280 285
 174 Val Leu Lys Gly Arg Phe Gln Thr Ile Asp Leu Ser Pro Phe Leu
 175 290 295 300
 176 Phe Thr Arg Phe Tyr Leu Gly Glu Lys Ile Gln Glu Asn Asn Ile
 177 305 310 315
 178 Ile
 183 <210> SEQ ID NO: 4
 184 <211> LENGTH: 220
 185 <212> TYPE: PRT
 186 <213> ORGANISM: Homo sapiens
 188 <220> FEATURE:
 189 <221> NAME/KEY: misc_feature
 190 <223> OTHER INFORMATION: Incyte Clone 1911421
 192 <400> SEQUENCE: 4
 193 Met Lys Ser Val Ile Tyr His Ala Leu Ser Gln Lys Glu Ala Asn
 194 1 5 10 15
 195 Asp Ser Asp Val Gln Pro Ser Gly Ala Gln Arg Ala Glu Ala Phe
 196 20 25 30
 197 Val Arg Ala Phe Leu Lys Arg Ser Thr Pro Arg Met Ser Pro Gln
 198 35 40 45
 199 Ala Arg Glu Asp Gln Leu Gln Arg Lys Ala Val Val Leu Glu Tyr
 200 50 55 60
 201 Phe Thr Arg His Lys Arg Lys Glu Lys Lys Lys Ala Lys Gly
 202 65 70 75
 203 Leu Ser Ala Arg Gln Arg Arg Glu Leu Arg Leu Phe Asp Ile Lys
 204 80 85 90
 205 Pro Glu Gln Gln Arg Tyr Ser Leu Phe Leu Pro Leu His Glu Leu
 206 95 100 105
 207 Trp Lys Gln Tyr Ile Arg Asp Leu Cys Ser Gly Leu Lys Pro Asp
 208 110 115 120
 209 Thr Gln Pro Gln Met Ile Gln Ala Lys Leu Leu Lys Ala Asp Leu
 210 125 130 135
 211 His Gly Ala Ile Ile Ser Val Thr Lys Ser Lys Cys Pro Ser Tyr
 212 140 145 150
 213 Val Gly Ile Thr Gly Ile Leu Leu Gln Glu Thr Lys His Ile Phe
 214 155 160 165
 215 Lys Ile Ile Thr Lys Glu Asp Arg Leu Lys Val Ile Pro Lys Leu
 216 170 175 180
 217 Asn Cys Val Phe Thr Val Glu Thr Asp Gly Phe Ile Ser Tyr Ile
 218 185 190 195
 219 Tyr Gly Ser Lys Phe Gln Leu Arg Ser Ser Glu Arg Ser Ala Lys
 220 200 205 210
 221 Lys Phe Lys Ala Lys Gly Thr Ile Asp Leu
 222 215 220
 227 <210> SEQ ID NO: 5
 228 <211> LENGTH: 235
 229 <212> TYPE: PRT
 230 <213> ORGANISM: Homo sapiens

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Input Set : N:\Crf3\RULE60\09938803.txt
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W--> 232 <220> FEATURE: -
 233 <221> NAME/KEY: misc_feature
 234 <223> OTHER INFORMATION: Incyte Clone 1911910
 236 <400> SEQUENCE: 5
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 1 5 10 15
 238 Val Asp Glu Glu Glu Arg Val Arg Val Leu Gln Gly Val Arg Leu
 20 25 30
 240 Ser Glu Asn Val Val Asn Arg Met Lys Glu Pro Ser Ser Pro Pro
 35 40 45
 241 Pro Ala Pro Thr Ser Ser Thr Phe Gly Leu Gln Asp Gly Asn Leu
 50 55 60
 243 Arg Ala Pro His Lys Glu Ser Thr Leu Pro Arg Ser Gly Ser Ser
 65 70 75
 245 Gly Gly Gln Gln Pro Ser Gly Met Lys Glu Gly Val Lys Arg Tyr
 80 85 90
 247 Glu Gln Glu His Ala Ala Ile Gln Asp Lys Leu Phe Gln Val Ala
 95 100 105
 251 Lys Arg Glu Arg Glu Ala Ala Thr Lys His Ser Lys Ala Ser Leu
 110 115 120
 253 Pro Thr Gly Glu Gly Ser Ile Ser His Glu Glu Gln Lys Ser Val
 125 130 135
 255 Arg Leu Ala Arg Glu Leu Glu Ser Arg Glu Ala Glu Leu Arg Arg
 140 145 150
 257 Arg Asp Thr Phe Tyr Lys Glu Gln Leu Glu Arg Ile Glu Arg Lys
 155 160 165
 259 Asn Ala Glu Met Tyr Lys Leu Ser Ser Glu Gln Phe His Glu Ala
 170 175 180
 261 Ala Ser Lys Met Glu Ser Thr Ile Lys Pro Arg Arg Val Glu Pro
 185 190 195
 263 Val Cys Ser Gly Leu Gln Ala Gln Ile Leu His Cys Tyr Arg Asp
 200 205 210
 265 Arg Pro His Glu Val Leu Leu Cys Ser Asp Leu Val Lys Ala Tyr
 215 220 225
 267 Gln Arg Cys Val Ser Ala Ala His Lys Gly
 230 235
 273 <210> SEQ ID NO: 6
 274 <211> LENGTH: 487
 275 <212> TYPE: PRT
 276 <213> ORGANISM: Homo sapiens
 278 <220> FEATURE:
 279 <221> NAME/KEY: misc_feature
 280 <223> OTHER INFORMATION: Incyte Clone 1928920
 282 <400> SEQUENCE: 6
 283 Met Ala Ser Ser Ala Glu Gly Asp Glu Gly Thr Val Val Ala Leu
 1 5 10 15
 284 Ala Gly Val Leu Gln Ser Gly Phe Gln Glu Leu Ser Leu Asn Lys
 20 25 30
 285 Leu Ala Thr Ser Leu Gly Ala Ser Glu Gln Ala Leu Arg Leu Ile

VERIFICATION SUMMARY

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TIME: 13:46:57

Input Set : N:\Crf3\RULE60\09938803.txt
Output Set: N:\CRF3\10012001\I938803.raw

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:232 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:1731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:1807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:1809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:1810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35